

0005

Jeffrey
01/25/08
0030
J

From: "Shaver, Dave" <dshaver@coalsource.com>
To: "Jeffrey Studenka" <jstudenka@utah.gov>, <James_Kohler@blm.gov>, <dharbe...
Date: 1/25/2008 11:09 AM
Subject: Crandall mine water discharge analysis

To all....Attached is the lab analysis of the Crandall Canyon Mine discharge water. The sample was taken on Monday, Jan. 21. All water is now being discharged through the pipe. There is no water running overland into the pond, the pond is no longer overflowing the primary spillway, and the water level in the pond has dropped about 2' from its previous high (overflow) level. We will take another sample on Monday, Jan. 28 from the pipe and should have the analysis results back to you by next Friday. We will also begin sampling the water retained in the sed pond soon, and if the analyses show the water quality to be within permit limits we will initiate plans for decanting the pond. Please let me know if there are other parameters you would like to see included in the analysis, since we dropped a couple of "non-detects" from the previous list to help ensure having the lab results out by the end of the week (today). Unless we hear otherwise we will continue with these parameters for next week's run. Also, is there anyone else who should be on the contact list? Thanks

Dave Shaver



General Offices: P.O. Box 995 Price, UT. 84501 (435)637-8855
Laboratory: 65 North 300 East Price, UT. 84501

Report Date

1/25/2008

Client

UtahAmerican Energy Inc.
Genwal Resources, Inc.
PO Box 1077
Price, UT. 84501
Dave Shaver
(435)888-4017

Sample I.D.

002

Sampled By: KDK

Date: 1/21/2008
Time: 10:05

Received
Date: 1/21/2008
Time: 11:37

Field Measurements

<u>Cond. uS</u>	<u>Temp. C</u>	<u>pH</u>	<u>D.O. ppm</u>	<u>Turbidity NTU</u>
1671	4.0	7.48		

Notes:

Lab I.D. #: 543

Mine Code 08

Site Code 40

Certificate of Analysis

Analyte	Results	Units	MRL	Method	Date	Time	Analyst
<u>Wet Chem.</u>							
Oil & Grease	<5	mg/L	5	EPA 413.1	1/24/2008	9:49	SB
Solids, Total Dissolved	1218	mg/L	20	EPA 160.1	1/22/2008	11:06	SB
Solids, Total Suspended	10	mg/L	4	EPA 160.2	1/22/2008	11:06	SB
<u>Metals by ICP</u>							
Boron, Dissolved	0.19	mg/L	0.05	EPA 200.7	1/24/2008	14:41	SB
Boron, Total	0.19	mg/L	0.05	EPA 200.7	1/24/2008	17:51	SB
Iron, Dissolved	0.161	mg/L	0.010	EPA 200.7	1/24/2008	14:41	SB
Iron, Total	2.204	mg/L	0.010	EPA 200.7	1/24/2008	17:51	SB
Manganese, Dissolved	0.138	mg/L	0.001	EPA 200.7	1/24/2008	14:41	SB
Manganese, Total	0.138	mg/L	0.001	EPA 200.7	1/24/2008	17:51	SB
Nickel, Dissolved	0.201	mg/L	0.002	EPA 200.7	1/24/2008	14:41	SB
Nickel, Total	0.201	mg/L	0.002	EPA 200.7	1/24/2008	17:51	SB
Selenium, Dissolved	<0.01	mg/L	0.01	EPA 200.7	1/24/2008	14:41	SB
Selenium, Total	<0.01	mg/L	0.01	EPA 200.7	1/24/2008	17:51	SB
Zinc, Dissolved	0.340	mg/L	0.005	EPA 200.7	1/24/2008	14:41	SB
Zinc, Total	0.343	mg/L	0.005	EPA 200.7	1/24/2008	17:51	SB

Brandon Pierce
Technical Director

All reported results meet the requirements of NELAC, except for Balance and Hardness.
Balance and Hardness are calculated from certified results.